

Focus Report
New Chemicals Program
PMN Number: **P-11-0100**

Focus Date: 01/03/2011 12:00:00 AM Report Status: Completed
Consolidated Set: P-11-0100; P-11-0101; P-11-0102; P-11-0103;
P-11-0104; P-11-0105
Focus Chair: Jim Alwood Contractor: Christina Stanley

I. Notice Information

Submitter: [REDACTED] CAS Number: [REDACTED]
Chemical Name: [REDACTED]

Use: [REDACTED]

Other Uses: [REDACTED]
PV-Max: [REDACTED]
Manufacture: X Import: [REDACTED]

II. SAT Results

(1) **Health Rating:** 1-2 **Eco Rating:** 2 **Comments:** ;moderate concern for indirect shading effects to green algae from the [REDACTED]

Occupational: 0-1 **Non-Occupational:** [REDACTED] **Environmental:** [REDACTED]

(1) **PBT:** 2 1 1 **Comments:** [REDACTED]

III. OTHER FACTORS

Categories:

Health Chemical Category: [REDACTED] Ecotox Category: polyanionic polymers-SO5

Related Cases/Regulatory History:

Health related Cases: [REDACTED]
Ecotox Related Cases: [REDACTED]
Regulatory History: [REDACTED]
CRSS P2Rec: NX-Non Exposure-Based 5(e); P2Rec-P2 Recognition

MSDS/Label Information:

MSDS: Yes Label: No
General Equipment: gloves/ safety glasses/ provide exhaust ventilation or other engineering controls to keep airborne concentrations of vapors below their respective occupational exposure limits
Respirator: none provided in the submission
Health Effects: Caution! May be harmful if swallowed/ Do not ingest
TLV/PEL (PMN or raw material): - none established

Exposure Based Information:

Exposure Based Review: N Exposure Based Review (Health): N
Exposure Based Review (Eco): Y Exposure Based (Occupational): No
Exposure Based Review (Non Occupational): Exposure Based (Environmental):

IV. Summary of SAT Assessment

Fate:

Fate Summary:

P-11-0100-05

FATE: MW = [REDACTED]

Solid with

S > 400 g/L at 25 C (E)

VP < 1.0E-6 torr at 25 C (E)

BP > 400 C (E)

H < 1.00E-8 (E)

POTW removal (%) = 90 via sorption; EXP5720: mod. OECD 306 (SW Biodeg): 14%/28d, 18%/60d.

Time for complete ultimate aerobic biodeg ≥ mo

Sorption to soils/sediments = v.strong

PBT Potential: P2B1

*CEB FATE: Migration to ground water = negl

Health:

Health Summary:

Absorption is nil through the skin, good through the lungs, and poor through the GI tract (low molecular weight species only for GI tract; [REDACTED]) based on physical/chemical properties. There is concern for eye irritation based on the Ph of 2.2 to 4 listed in the MSDS. Low moderate concern.

Ecotox:

Ecotox Values:

Fish 96-h LC50: >100(P)

Daphnid 48-h LC50: >100(P)

Green algal 96-h EC50: ≤20(P)

Fish Chronic Value: >10(P)

Daphnid ChV: >10(P)

Algal ChV: ≤2(P)

Ecotox values comments:

Predictions are based on SAR-nearest analog method for polyanionic polymers-SO5; SAR chemical class = polymer-anionic-SO5-EOx [REDACTED] salt; MW [REDACTED] (ALL); pH7; effective concentrations based on 100% active ingredients and nominal concentrations; hardness <100.0 mg/L as CaCO3; and TOC <2.0 mg/L;

Ecotox Factors:

Assessment Factor: 10

Concern Concentration: 200

Ecotox factors comments: No testing desired

V. Summary of Exposures/Releases

Engineering Summary:

Exposures/Releases			
Scenario			
Sites			
Media			
Descriptor A			
Quantity A (kg/site/day)			
Frequency A (day/year)			
Descriptor B			
Quantity B (kg/site/day)			
Frequency B (day/year)			
From			
Workers			
Exposure Type			

VI. Focus Decision and Rationale

Regulatory Actions

Regulatory Decision: PMN Drop

Decision Date: 01/03/2011

Type of Decision:

Rationale: P11-0100 to P11-0105 were dropped from further review. Human health and ecotoxicity concerns were low. These were DEB D4 drops (not PBT's, only health concern is for inhalation and the substance does not generate any mist or particle formation, substance contains no elements of the concern).

COC's: 200 ppb chronic, 5,000 ppb acute.

P2 Rec Comments:

Testing:

Prefocus Recommended:

Eco: none desired

Final Recommended:

Health:

Eco:

Fate:

Other:

SAT Report
PMN Number: **P-11-0100**
SAT Date: **12/21/2010**
Print Date: **3/13/2015**

Related cases:

Health related cases:

Ecotox related cases:

Concern levels:

Type of Concern:	<u>Health</u>	<u>Eco</u>	<u>Comments</u>
Level of Concern:	1-2	2	Health: ; Eco: moderate concern for indirect shading effects to green algae the

<u>Persistence</u>	<u>Bioaccum</u>	<u>Toxicity</u>	<u>Comments</u>
2	1	1	
		Awaiting	
		Human Health	
		Entry	
		Awaiting	
		Human Health	
		Entry	
		Awaiting	
		Human Health	
		Entry	

Exposure Based Review:

Health: No

Ecotox: Yes **Exposure based testing (eco):** none desired

Routes of exposure:

Health: Inhalation

Ecotox: No releases to water

Fate: ;

Keywords:

Keywords:

Summary of Assessment:

Fate:

Fate Summary: P-11-0100-05

FATE: MW =

Solid with

S > 400 g/L at 25 C (E)

VP < 1.0E-6 torr at 25 C (E)

BP > 400 C (E)

H < 1.00E-8 (E)

POTW removal (%) = 90 via sorption; EXP5720: mod. OECD 306 (SW Biodeg): 14%/28d, 18%/60d.

Time for complete ultimate aerobic biodeg ≥ mo

Sorption to soils/sediments = v.strong

PBT Potential: P2B1

*CEB FATE: Migration to ground water = negl

Health:

Health Summary: Absorption is nil through the skin, good through the lungs, and poor through the GI tract (low molecular weight species only for GI tract; [REDACTED]) based on physical/chemical properties. There is concern for eye irritation based on the Ph of 2.2 to 4 listed in the MSDS. Low moderate concern.

Ecotox:

Test Organism	Test Type	Test End Point	Predicted	Measured	Comments
fish	96-h	LC50	>100		
daphnid	48-h	LC50	>100		
green algal	96-h	EC50	<=20		
fish	—	chronic value	>10		
daphnid	—	chronic value	>10		
algal	—	chronic value	<=2		
Sewage Sludge	3-h	EC50	—		
Sewage Sludge	—	Chronic Value	—		

Ecotox Values Comments: moderate concern for indirect shading effects to green algae from the [REDACTED]

Factors	Values	Comments
Assessment Factor	10	
Concentration of Concern (ppb)	200	
SARs	polyanionic polymers-SO5	
SAR Class	polymer-anionic-SO5-[REDACTED]	
Ecotox Category		

Ecotox Factors Comments:

SAT Chair: Becky Jones

Focus Report
New Chemicals Program
PMN Number: **P-11-0101**

Focus Date: 01/03/2011 12:00:00 AM Report Status: Completed
Consolidated Set: P-11-0100; P-11-0101; P-11-0102; P-11-0103;
P-11-0104; P-11-0105
Focus Chair: Jim Alwood Contractor: Christina Stanley

I. Notice Information

Submitter: [REDACTED] CAS Number: [REDACTED]
Chemical Name: [REDACTED]

Use: [REDACTED]

Other Uses: [REDACTED]
PV-Max: [REDACTED]
Manufacture: X Import: [REDACTED]

II. SAT Results

(1) Health Rating: 1-2 Eco Rating: 2 Comments: ;moderate concern for indirect shading effects to green algae from the [REDACTED]

Occupational: **Non-Occupational:** **Environmental:**

(1) PBT: 2 1 1 Comments: [REDACTED]

III. OTHER FACTORS

Categories:

Health Chemical Category: [REDACTED] Ecotox Category: polyanionic polymers-SO5

Related Cases/Regulatory History:

Health related Cases: [REDACTED]
Ecotox Related Cases: [REDACTED]
Regulatory History:
CRSS P2Rec: NX-Non Exposure-Based 5(e); P2Rec-P2 Recognition

MSDS/Label Information:

MSDS: [REDACTED]

Exposure Based Information:

Exposure Based Review: N Exposure Based Review (Health): N
Exposure Based Review (Eco): Y Exposure Based (Occupational): No
Exposure Based Review (Non Occupational): Exposure Based (Environmental):

IV. Summary of SAT Assessment

Fate:

Fate Summary: P-11-0100-05
FATE: MW = [REDACTED]
Solid with
S > 400 g/L at 25 C (E)
VP < 1.0E-6 torr at 25 C (E)

BP > 400 C (E)
H < 1.00E-8 (E)
POTW removal (%) = 90 via sorption; EXP5720: mod. OECD 306 (SW Biodeg): 14%/28d, 18%/60d.
Time for complete ultimate aerobic biodeg ≥ mo
Sorption to soils/sediments = v.strong
PBT Potential: P2B1
*CEB FATE: Migration to ground water = negl

Health:

Health Summary:

Absorption is nil through the skin, good through the lungs, and poor through the GI tract (low molecular weight species only for GI tract; [REDACTED] based on physical/chemical properties. There is concern for eye irritation based on the Ph of 2.2 to 4 listed in the MSDS. Low moderate concern.

Ecotox:

Ecotox Values:

Fish 96-h LC50:	>100(P)
Daphnid 48-h LC50:	>100(P)
Green algal 96-h EC50:	<=20(P)
Fish Chronic Value:	>10(P)
Daphnid ChV:	>10(P)
Algal ChV:	<=2(P)

Ecotox values comments:

Predictions are based on SAR-nearest analog method for polyanionic polymers-SO5; SAR chemical class = polymer-anionic-SO5-EOx [REDACTED] salt; MW [REDACTED] (ALL); pH7; effective concentrations based on 100% active ingredients and nominal concentrations; hardness <100.0 mg/L as CaCO3; and TOC <2.0 mg/L;

Ecotox Factors:

Assessment Factor:	10
Concern Concentration:	200

Ecotox factors comments: No testing desired

V. Summary of Exposures/Releases

Engineering Summary:

Exposures/Releases			
Scenario			
Sites			
Media			
Descriptor A			
Quantity A (kg/site/day)			
Frequency A (day/year)			
Descriptor B			
Quantity B (kg/site/day)			
Frequency B (day/year)			
From			
Workers			
Exposure Type			

VI. Focus Decision and Rationale

Regulatory Actions

Regulatory Decision: PMN Drop

Decision Date: 01/03/2011

Type of Decision:

Rationale: P11-0100 to P11-0105 were dropped from further review. Human health and ecotoxicity concerns were low. These were DEB D4 drops (not PBT's, only health concern is for inhalation and the substance does not generate any mist or particle formation, substance contains no elements of the concern).

COC's: 200 ppb chronic, 5,000 ppb acute.

P2 Rec Comments:

Testing:

Prefocus Recommended:

Eco: none desired

Final Recommended:

Health:

Eco:

Fate:

Other:

SAT Report
PMN Number: **P-11-0101**
SAT Date: **12/21/2010**
Print Date: **3/13/2015**

Related cases:

Health related cases:

Ecotox related cases:

Concern levels:

Type of Concern:	<u>Health</u>	<u>Eco</u>	<u>Comments</u>
Level of Concern:	1-2	2	Health: ; Eco: moderate concern for indirect shading effects to green algae the

<u>Persistence</u>	<u>Bioaccum</u>	<u>Toxicity</u>	<u>Comments</u>
2	1	1	
		Awaiting	
		Human Health	
		Entry	
		Awaiting	
		Human Health	
		Entry	
		Awaiting	
		Human Health	
		Entry	

Exposure Based Review:

Health: No

Ecotox: Yes **Exposure based testing (eco):** none desired

Routes of exposure:

Health: Inhalation

Ecotox: No releases to water

Fate: ;

Keywords:

Keywords:

Summary of Assessment:

Fate:

Fate Summary: P-11-0100-05

FATE: MW =

Solid with

S > 400 g/L at 25 C (E)

VP < 1.0E-6 torr at 25 C (E)

BP > 400 C (E)

H < 1.00E-8 (E)

POTW removal (%) = 90 via sorption; EXP5720: mod. OECD 306 (SW Biodeg): 14%/28d, 18%/60d.

Time for complete ultimate aerobic biodeg ≥ mo

Sorption to soils/sediments = v.strong

PBT Potential: P2B1

*CEB FATE: Migration to ground water = negl

Health:

Health Summary: Absorption is nil through the skin, good through the lungs, and poor through the GI tract (low molecular weight species only for GI tract; [REDACTED]) based on physical/chemical properties. There is concern for eye irritation based on the Ph of 2.2 to 4 listed in the MSDS. Low moderate concern.

Ecotox:

Test Organism	Test Type	Test End Point	Predicted	Measured	Comments
fish	96-h	LC50	>100		
daphnid	48-h	LC50	>100		
green algal	96-h	EC50	<=20		
fish	—	chronic value	>10		
daphnid	—	chronic value	>10		
algal	—	chronic value	<=2		
Sewage Sludge	3-h	EC50	—		
Sewage Sludge	—	Chronic Value	—		

Ecotox Values Comments: moderate concern for indirect shading effects to green algae from the [REDACTED]

Factors	Values	Comments
Assessment Factor	10	
Concentration of Concern (ppb)	200	
SARs	polyanionic polymers-SO5	
SAR Class	polymer-anionic-SO5-[REDACTED]	
Ecotox Category		

Ecotox Factors Comments:

SAT Chair: Becky Jones

Focus Report
New Chemicals Program
PMN Number: **P-11-0102**

Focus Date: 01/03/2011 12:00:00 AM Report Status: Completed
Consolidated Set: P-11-0100; P-11-0101; P-11-0102; P-11-0103;
P-11-0104; P-11-0105
Focus Chair: Jim Alwood Contractor: Christina Stanley

I. Notice Information

Submitter: [REDACTED] CAS Number: [REDACTED]
Chemical Name: [REDACTED]

Use: [REDACTED]

Other Uses:

PV-Max:

Manufacture:

X

Import:

II. SAT Results

(1) Health Rating: 1-2

Eco Rating: 2

Comments: ;moderate concern for indirect shading effects to green algae from the [REDACTED]

Occupational:

Non-Occupational:

Environmental:

(1) PBT: 2 1

1

Comments:

III. OTHER FACTORS

Categories:

Health Chemical Category:

Ecotox Category: polyanionic polymers-SO5

Related Cases/Regulatory History:

Health related Cases:

Ecotox Related Cases:

Analogs: [REDACTED]

Regulatory History:

CRSS P2Rec: NX-Non Exposure-Based 5(e); P2Rec-P2 Recognition

MSDS/Label Information:

MSDS:

Exposure Based Information:

Exposure Based Review: N

Exposure Based Review (Eco): Y

Exposure Based Review

(Non Occupational):

Exposure Based Review (Health): N

Exposure Based (Occupational): No

Exposure Based (Environmental):

IV. Summary of SAT Assessment

Fate:

Fate Summary:

P-11-0100-05

FATE: MW = [REDACTED]

Solid with

S > 400 g/L at 25 C (E)

VP < 1.0E-6 torr at 25 C (E)
BP > 400 C (E)
H < 1.00E-8 (E)
POTW removal (%) = 90 via sorption; EXP5720: mod. OECD 306 (SW Biodeg): 14%/28d, 18%/60d.
Time for complete ultimate aerobic biodeg ≥ mo
Sorption to soils/sediments = v.strong
PBT Potential: P2B1
*CEB FATE: Migration to ground water = negl

Health:

Health Summary:

Absorption is nil through the skin, good through the lungs, and poor through the GI tract (low molecular weight species only for GI tract; [REDACTED] based on physical/chemical properties. There is concern for eye irritation based on the Ph of 2.2 to 4 listed in the MSDS. Low moderate concern.

Ecotox:

Ecotox Values:

Fish 96-h LC50:	>100(P)
Daphnid 48-h LC50:	>100(P)
Green algal 96-h EC50:	<=20(P)
Fish Chronic Value:	>10(P)
Daphnid ChV:	>10(P)
Algal ChV:	<=2(P)

Ecotox values comments: Predictions are based on SAR-nearest analog method for polyanionic polymers-SO5; SAR chemical class = polymer-anionic-SO5-EOx [REDACTED] salt; MW [REDACTED] (ALL); pH7; effective concentrations based on 100% active ingredients and nominal concentrations; hardness <100.0 mg/L as CaCO3; and TOC <2.0 mg/L;

Ecotox Factors:

Assessment Factor:	10
Concern Concentration:	200

Ecotox factors comments: No testing desired

V. Summary of Exposures/Releases

Engineering Summary:

Exposures/Releases			
Scenario			
Sites			
Media			
Descriptor A			
Quantity A (kg/site/day)			
Frequency A (day/year)			
Descriptor B			
Quantity B (kg/site/day)			
Frequency B (day/year)			
From			
Workers			
Exposure Type			

VI. Focus Decision and Rationale

Regulatory Actions

Regulatory Decision: PMN Drop

Decision Date: 01/03/2011

Type of Decision:

Rationale: P11-0100 to P11-0105 were dropped from further review. Human health and ecotoxicity concerns were low. These were DEB D4 drops (not PBT's, only health concern is for inhalation and the substance does not generate any mist or particle formation, substance contains no elements of the concern).

COC's: 200 ppb chronic, 5,000 ppb acute.

P2 Rec Comments:

Testing:

Prefocus Recommended:

Eco: none desired

Final Recommended:

Health:

Eco:

Fate:

Other:

SAT Report
PMN Number: **P-11-0102**
SAT Date: **12/21/2010**
Print Date: **3/13/2015**

Related cases:

Health related cases:

Ecotox related cases:

Concern levels:

Type of Concern:	<u>Health</u>	<u>Eco</u>	<u>Comments</u>
Level of Concern:	1-2	2	Health: ; Eco: moderate concern for indirect shading effects to green algae the

<u>Persistence</u>	<u>Bioaccum</u>	<u>Toxicity</u>	<u>Comments</u>
2	1	1	
		Awaiting	
		Human Health	
		Entry	
		Awaiting	
		Human Health	
		Entry	
		Awaiting	
		Human Health	
		Entry	

Exposure Based Review:

Health: No

Ecotox: Yes **Exposure based testing (eco):** none desired

Routes of exposure:

Health: Inhalation

Ecotox: No releases to water

Fate: ;

Keywords:

Keywords:

Summary of Assessment:

Fate:

Fate Summary: P-11-0100-05

FATE: MW =

Solid with

S > 400 g/L at 25 C (E)

VP < 1.0E-6 torr at 25 C (E)

BP > 400 C (E)

H < 1.00E-8 (E)

POTW removal (%) = 90 via sorption; EXP5720: mod. OECD 306 (SW Biodeg): 14%/28d, 18%/60d.

Time for complete ultimate aerobic biodeg ≥ mo

Sorption to soils/sediments = v.strong

PBT Potential: P2B1

*CEB FATE: Migration to ground water = negl

Health:

Health Summary: Absorption is nil through the skin, good through the lungs, and poor through the GI tract (low molecular weight species only for GI tract; [REDACTED]) based on physical/chemical properties. There is concern for eye irritation based on the Ph of 2.2 to 4 listed in the MSDS. Low moderate concern.

Ecotox:

Test Organism	Test Type	Test End Point	Predicted	Measured	Comments
fish	96-h	LC50	>100		
daphnid	48-h	LC50	>100		
green algal	96-h	EC50	<=20		
fish	—	chronic value	>10		
daphnid	—	chronic value	>10		
algal	—	chronic value	<=2		
Sewage Sludge	3-h	EC50	—		
Sewage Sludge	—	Chronic Value	—		

Ecotox Values Comments: moderate concern for indirect shading effects to green algae from the [REDACTED]

Factors	Values	Comments
Assessment Factor	10	
Concentration of Concern (ppb)	200	
SARs	polyanionic polymers-SO5	
SAR Class	polymer-anionic-SO5-[REDACTED] [REDACTED]t	
Ecotox Category		

Ecotox Factors Comments:

SAT Chair: Becky Jones

Focus Report
New Chemicals Program
PMN Number: **P-11-0103**

Focus Date: 01/03/2011 12:00:00 AM Report Status: Completed
Consolidated Set: P-11-0100; P-11-0101; P-11-0102; P-11-0103;
P-11-0104; P-11-0105
Focus Chair: Jim Alwood Contractor: Christina Stanley

I. Notice Information

Submitter: [REDACTED] CAS Number: [REDACTED]
Chemical Name: [REDACTED]

Use: [REDACTED]

Other Uses:

PV-Max:

Manufacture:

X

Import:

II. SAT Results

(1) Health Rating: 1-2

Eco Rating: 2

Comments: ;moderate concern for indirect shading effects to green algae from the [REDACTED]

Occupational:

Non-Occupational:

Environmental:

(1) PBT: 2 1

1

Comments:

III. OTHER FACTORS

Categories:

Health Chemical Category:

Ecotox Category: polyanionic polymers-SO5

Related Cases/Regulatory History:

Health related Cases:

Ecotox Related Cases:

Analogs: [REDACTED]

Regulatory History:

CRSS P2Rec: NX-Non Exposure-Based 5(e); P2Rec-P2 Recognition

MSDS/Label Information:

MSDS:

Exposure Based Information:

Exposure Based Review: N

Exposure Based Review (Eco): Y

Exposure Based Review

(Non Occupational):

Exposure Based Review (Health): N

Exposure Based (Occupational): No

Exposure Based (Environmental):

IV. Summary of SAT Assessment

Fate:

Fate Summary:

P-11-0100-05

FATE: MW = [REDACTED]

Solid with

S > 400 g/L at 25 C (E)

VP < 1.0E-6 torr at 25 C (E)
BP > 400 C (E)
H < 1.00E-8 (E)
POTW removal (%) = 90 via sorption; EXP5720: mod. OECD 306 (SW Biodeg): 14%/28d, 18%/60d.
Time for complete ultimate aerobic biodeg ≥ mo
Sorption to soils/sediments = v.strong
PBT Potential: P2B1
*CEB FATE: Migration to ground water = negl

Health:

Health Summary:

Absorption is nil through the skin, good through the lungs, and poor through the GI tract (low molecular weight species only for GI tract; [REDACTED]) based on physical/chemical properties. There is concern for eye irritation based on the Ph of 2.2 to 4 listed in the MSDS. Low moderate concern.

Ecotox:

Ecotox Values:

Fish 96-h LC50:	>100(P)
Daphnid 48-h LC50:	>100(P)
Green algal 96-h EC50:	<=20(P)
Fish Chronic Value:	>10(P)
Daphnid ChV:	>10(P)
Algal ChV:	<=2(P)

Ecotox values comments:

Predictions are based on SAR-nearest analog method for polyanionic polymers-SO5; SAR chemical class = polymer-anionic-SO5-EOx [REDACTED]; MW [REDACTED] (ALL); pH7; effective concentrations based on 100% active ingredients and nominal concentrations; hardness <100.0 mg/L as CaCO3; and TOC <2.0 mg/L;

Ecotox Factors:

Assessment Factor:	10
Concern Concentration:	200

Ecotox factors comments: No testing desired

V. Summary of Exposures/Releases

Engineering Summary:

Exposures/Releases			
Scenario			
Sites			
Media			
Descriptor A			
Quantity A (kg/site/day)			
Frequency A (day/year)			
Descriptor B			
Quantity B (kg/site/day)			
Frequency B (day/year)			
From			
Workers			
Exposure Type			

VI. Focus Decision and Rationale

Regulatory Actions

Regulatory Decision: PMN Drop
Type of Decision:

Decision Date: 01/03/2011

Rationale: P11-0100 to P11-0105 were dropped from further review. Human health and ecotoxicity concerns were low. These were DEB D4 drops (not PBT's, only health concern is for inhalation and the substance does not generate any mist or particle formation, substance contains no elements of the concern).

COC's: 200 ppb chronic, 5,000 ppb acute.

P2 Rec Comments:

Testing:

Prefocus Recommended:

Eco: none desired

Final Recommended:

Health:

Eco:

Fate:

Other:

SAT Report
PMN Number: **P-11-0103**
SAT Date: **12/21/2010**
Print Date: **3/13/2015**

Related cases:

Health related cases:

Ecotox related cases:

Concern levels:

Type of Concern:	<u>Health</u>	<u>Eco</u>	<u>Comments</u>
Level of Concern:	1-2	2	Health: ; Eco: moderate concern for indirect shading effects to green algae the

<u>Persistence</u>	<u>Bioaccum</u>	<u>Toxicity</u>	<u>Comments</u>
2	1	1	
		Awaiting	
		Human Health	
		Entry	
		Awaiting	
		Human Health	
		Entry	
		Awaiting	
		Human Health	
		Entry	

Exposure Based Review:

Health: No

Ecotox: Yes **Exposure based testing (eco):** none desired

Routes of exposure:

Health: Inhalation

Ecotox: No releases to water

Fate: ;

Keywords:

Keywords:

Summary of Assessment:

Fate:

Fate Summary: P-11-0100-05

FATE: MW =

Solid with

S > 400 g/L at 25 C (E)

VP < 1.0E-6 torr at 25 C (E)

BP > 400 C (E)

H < 1.00E-8 (E)

POTW removal (%) = 90 via sorption; EXP5720: mod. OECD 306 (SW Biodeg): 14%/28d, 18%/60d.

Time for complete ultimate aerobic biodeg ≥ mo

Sorption to soils/sediments = v.strong

PBT Potential: P2B1

*CEB FATE: Migration to ground water = negl

Health:

Health Summary: Absorption is nil through the skin, good through the lungs, and poor through the GI tract (low molecular weight species only for GI tract; [REDACTED]) based on physical/chemical properties. There is concern for eye irritation based on the Ph of 2.2 to 4 listed in the MSDS. Low moderate concern.

Ecotox:

Test Organism	Test Type	Test End Point	Predicted	Measured	Comments
fish	96-h	LC50	>100		
daphnid	48-h	LC50	>100		
green algal	96-h	EC50	<=20		
fish	—	chronic value	>10		
daphnid	—	chronic value	>10		
algal	—	chronic value	<=2		
Sewage Sludge	3-h	EC50	—		
Sewage Sludge	—	Chronic Value	—		

Ecotox Values Comments: moderate concern for indirect shading effects to green algae from the [REDACTED]

Factors	Values	Comments
Assessment Factor	10	
Concentration of Concern (ppb)	200	
SARs	polyanionic polymers-SO5	
SAR Class	polymer-anionic-SO5-[REDACTED]	
Ecotox Category		

Ecotox Factors Comments:

SAT Chair: Becky Jones

Focus Report
New Chemicals Program
PMN Number: **P-11-0104**

Focus Date: 01/03/2011 12:00:00 AM Report Status: Completed
Consolidated Set: P-11-0100; P-11-0101; P-11-0102; P-11-0103;
P-11-0104; P-11-0105
Focus Chair: Jim Alwood Contractor: Christina Stanley

I. Notice Information

Submitter: [REDACTED] CAS Number: [REDACTED]
Chemical Name: [REDACTED]

Use: [REDACTED]

Other Uses: [REDACTED]
PV-Max: [REDACTED]
Manufacture: X Import: [REDACTED]

II. SAT Results

(1) Health Rating: 1-2 Eco Rating: 2 Comments: ;moderate concern for indirect shading effects to green algae from the [REDACTED]

Occupational: **Non-Occupational:** **Environmental:**

(1) PBT: 2 1 1 Comments:

III. OTHER FACTORS

Categories:

Health Chemical Category: Ecotox Category: polyanionic polymers-SO5

Related Cases/Regulatory History:

Health related Cases:
Ecotox Related Cases: [REDACTED]
Regulatory History:
CRSS P2Rec: NX-Non Exposure-Based 5(e); P2Rec-P2 Recognition

MSDS/Label Information:

MSDS:

Exposure Based Information:

Exposure Based Review: N Exposure Based Review (Health): N
Exposure Based Review (Eco): Y Exposure Based (Occupational): No
Exposure Based Review (Non Occupational): Exposure Based (Environmental):

IV. Summary of SAT Assessment

Fate:

Fate Summary: P-11-0100-05
FATE: MW = [REDACTED]
Solid with
S > 400 g/L at 25 C (E)
VP < 1.0E-6 torr at 25 C (E)

BP > 400 C (E)
H < 1.00E-8 (E)
POTW removal (%) = 90 via sorption; EXP5720: mod. OECD 306 (SW Biodeg): 14%/28d, 18%/60d.
Time for complete ultimate aerobic biodeg ≥ mo
Sorption to soils/sediments = v.strong
PBT Potential: P2B1
*CEB FATE: Migration to ground water = negl

Health:

Health Summary:

Absorption is nil through the skin, good through the lungs, and poor through the GI tract (low molecular weight species only for GI tract; [REDACTED]) based on physical/chemical properties. There is concern for eye irritation based on the Ph of 2.2 to 4 listed in the MSDS. Low moderate concern.

Ecotox:

Ecotox Values:

Fish 96-h LC50:	>100(P)
Daphnid 48-h LC50:	>100(P)
Green algal 96-h EC50:	<=20(P)
Fish Chronic Value:	>10(P)
Daphnid ChV:	>10(P)
Algal ChV:	<=2(P)

Ecotox values comments:

Predictions are based on SAR-nearest analog method for polyanionic polymers-SO5; SAR chemical class = polymer-anionic-SO5-EOx [REDACTED]; MW [REDACTED] (ALL); pH7; effective concentrations based on 100% active ingredients and nominal concentrations; hardness <100.0 mg/L as CaCO3; and TOC <2.0 mg/L;

Ecotox Factors:

Assessment Factor:	10
Concern Concentration:	200

Ecotox factors comments: No testing desired

V. Summary of Exposures/Releases

Engineering Summary:

Exposures/Releases			
Scenario			
Sites			
Media			
Descriptor A			
Quantity A (kg/site/day)			
Frequency A (day/year)			
Descriptor B			
Quantity B (kg/site/day)			
Frequency B (day/year)			
From			
Workers			
Exposure Type			

VI. Focus Decision and Rationale

Regulatory Actions

Regulatory Decision: PMN Drop

Decision Date: 01/03/2011

Type of Decision:

Rationale: P11-0100 to P11-0105 were dropped from further review. Human health and ecotoxicity concerns were low. These were DEB D4 drops (not PBT's, only health concern is for inhalation and the substance does not generate any mist or particle formation, substance contains no elements of the concern).

COC's: 200 ppb chronic, 5,000 ppb acute.

P2 Rec Comments:

Testing:

Prefocus Recommended:

Eco: none desired

Final Recommended:

Health:

Eco:

Fate:

Other:

SAT Report
PMN Number: **P-11-0104**
SAT Date: **12/21/2010**
Print Date: **3/13/2015**

Related cases:

Health related cases:

Ecotox related cases: Analogs:

Concern levels:

Type of Concern:	<u>Health</u>	<u>Eco</u>	<u>Comments</u>
Level of Concern:	1-2	2	Health: ; Eco: moderate concern for indirect shading effects to green algae the

<u>Persistence</u>	<u>Bioaccum</u>	<u>Toxicity</u>	<u>Comments</u>
2	1	1	
		Awaiting	
		Human Health	
		Entry	
		Awaiting	
		Human Health	
		Entry	
		Awaiting	
		Human Health	
		Entry	

Exposure Based Review:

Health: No

Ecotox: Yes **Exposure based testing (eco):** none desired

Routes of exposure:

Health: Inhalation

Ecotox: No releases to water

Fate: ;

Keywords:

Keywords:

Summary of Assessment:

Fate:

Fate Summary: P-11-0100-05

FATE: MW =

Solid with

S > 400 g/L at 25 C (E)

VP < 1.0E-6 torr at 25 C (E)

BP > 400 C (E)

H < 1.00E-8 (E)

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Ecotox:

Test Organism	Test Type	Test End Point	Predicted	Measured	Comments
fish	96-h	LC50	>100		
daphnid	48-h	LC50	>100		
green algal	96-h	EC50	<=20		
fish	—	chronic value	>10		
daphnid	—	chronic value	>10		
algal	—	chronic value	<=2		
Sewage Sludge	3-h	EC50	—		
Sewage Sludge	—	Chronic Value	—		

Ecotox Values Comments: moderate concern for indirect shading effects to green algae from the [REDACTED]

Factors	Values	Comments
Assessment Factor	10	
Concentration of Concern (ppb)	200	
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SAR Class	polymer-anionic-SO5-EOx [REDACTED]	
Ecotox Category		

Ecotox Factors Comments:

SAT Chair: Becky Jones